#11

### Page: 1 Raw Sequence Listing

#### RAW Sequence Listing

08/31/92 14:54:13

1	(1) GENERAL INFORMATION:	SOP
2		5000
3	(i) APPLICANTS: Boon, Thierry, Van den Eynde, Beno t	
4	(11) MIMI OF THE PARTY OF THE P	_
5 6	(ii) TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Rejection Antigens and Uses Thereof	Tumor
7	Rejection Antigens and Uses Thereof	
8	(iii) MIMPED OF CEOURNOES. 16	
9	(iii) NUMBER OF SEQUENCES: 16	
10	(iv) CORRESPONDENCE ADDRESS:	
11	(A) ADDRESSEE: Felfe & Lynch	
12	(B) STREET: 805 Third Avenue	
13	(C) CITY: New York City	
14	(D) STATE: New York	
15	(F) ZIP: 10022	
16	(-)	
17	(v) COMPUTER READABLE FORM:	
18	(A) MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage	
19	(B) COMPUTER: IBM	
20	(C) OPERATING SYSTEM: PC-DOS	
21	(D) SOFTWARE: Wordperfect	
22		
23	(vi) CURRENT APPLICATION DATA:	
24	(A) APPLICATION NUMBER: 07/807,043	
25	(B) FILING DATE: 12-DECEMBER-1991	
26	(C) CLASSIFICATION:	
27		
28	(vii) PRIOR APPLICATION DATA:	
29	(A) APPLICATION NUMBER: 07/764,364	
30 31	(B) FILING DATE: 23-SEPTEMBER-1991	
32	(:/) DDTOD ADDITORMION DAMA.	
33	(vii) PRIOR APPLICATION DATA:	
34	(A) APPLICATION NUMBER: 07/728,838 (B) FILING DATE: 9-JULY-1991	
35	(b) Filling Dail. 9-0011-1991	
36	(vii) PRIOR APPLICATION DATA:	
37	(A) APPLICATION NUMBER: 07/705,702	
38	(B) FILING DATE: 23-May-1991	
39		
40	(viii) ATTORNEY/AGENT INFORMATION:	
41	(A) NAME: Hanson, Norman D.	
42	(B) REGISTRATION NUMBER: 30,946	
43	(C) REFERENCE/DOCKET NUMBER: LUD 253.3	
44		
45	(ix) TELECOMMUNICATION INFORMATION:	
46	(A) TELEPHONE: (212) 688-9200	
47	(B) TELEFAX: (212) 838-3884	
48		
49	(2) THEORYS TON TON GROWING TO THE	
50 51	(2) INFORMATION FOR SEQUENCE ID NO: 1:	
51 52	(i) SEQUENCE CHARACTERISTICS:	
5 <i>2</i> 53	(A) LENGTH: 462 base pairs	
<i>.</i> ,	(B) TYPE: nucleic acid	

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55				D) T				near									
56		-	-	OLEC			_					_					
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58																	
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61																	
62																ATCCTG	60
63 64																ACTGTT	120
65																CTCTAG	180
66																TCCCTC	240
67																CCGTAT	300
68																CATTGT TACTCT	360
69										CCTT!			GCTT	GCG	ACTC:	PACTCT	420
70	IMI	TIM	ACI .	IAGC.	regg	CT I	CCTG	CIGG	T AC	CCTT	TGTG	CC					462
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80		•	•	_						æ							
81																	
82	ATG	TCT	GAT	AAC	AAG	AAA	CCA	GAC	AAA	GCC	CAC	AGT	GGC	TCA	GGT	GGT	48
83															Gly		
84			_		5	_		_	•	10			-		15	-	
85																	
86	GAC	GGT	GAT	GGG	AAT	AGG	TGC	AAT	TTA	TTG	CAC	CGG	TAC	TCC	CTG	GAA	96
87	Asp	Gly	Asp	Gly	Asn	Arg	Cys	Asn	Leu	Leu	His	Arg	Tyr	Ser	Leu	Glu	
88				20					25					30	ı		
89																	
90															ACA		144
91	Glu	Ile	Leu	Pro	Tyr	Leu	Gly	Trp	Leu	Val	Phe	Ala	Val	Val	Thr	Thr	
92			35					40					45				
93																	
94															GAG		192
95	Ser		Leu	Ala	Leu	Gln		Phe	Ile	Asp	Ala	Leu	Tyr	Glu	Glu	Gln	
96		50					55					60					
97	<b></b>			<b></b> -													_
98															ATG		240
99	-	GLu	Arg	Asp	Val		Trp	Ile	Ala	Arg		Ser	Lys	Arg	Met		•
100	65					70					75					80	
101	m.~~	-	a=-	<b>a.</b> -													
102															TAC		288
103	ser	val	Asp	Glu		Glu	Asp	Asp	Glu	_	Asp	Glu	Asp	Asp	Tyr	Tyr	
104					85					90					95		
105 106	an a	G B G	G B G	020	O N C	020	020	~~	~~~	mm ~	W * ~	a = -	~-			03.m	22.
100	GAC	GAC	GAG	GAC	GAC	GAC	GAC	GAT	GCC	TTC	TAT	GAT	GAT	GAG	GAT	GAT	336

#### Raw Sequence Listing

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#### Patent Application US/07/807,043A

107 108	Asp	Asp	Glu	Asp 100	Asp	Asp	Asp	Asp	Ala 105	Phe	Tyr	Asp	Asp	Glu 110	Asp	Asp	
109 110	ana	<b>C.R.R.</b>	<b>633</b>	<b>CNN</b>	mma	030		oma.	3 ma	G 3 FF	03 m	~~~	mas		a.m	a. a	204
111															GAT Asp		384
112			115	<b>01</b>				120	*****	nop.	p	O L u	125	OI u	uab	014	
113																	
114															GAA		432
115	Ala		Glu	Glu	Met	Ser		Glu	Met	Gly	Ala		Ala	Glu	Glu	Met	
116 117		130					135					140					
118	GGT	ССТ	GGC	GCT	AAC	ጥርጥ	GCC	ጥርጥ	ርጥጥ	ССТ	GGC	САТ	СУТ	ጥጥል	AGG	AAG	480
119															Arg		400
120	145		•			150		-4-			155				5	160	
121																	
122															AAT		528
123	Asn	Glu	Val	Lys		Arg	Met	Ile	Tyr		Phe	His	Asp	Pro	Asn	Phe	
124 125					165					170					175		
126	CTG	GTG	TCT	АТА	CCA	GTG	AAC	ССТ	AAG	GAA	CAA	ATG	GAG	тст	AGG	тст	576
127															Arg		3,0
128				180					185					190	_	•	
129																	
130															GAA		624
131 132	GIU	Asn	195	Asp	GIu	GIu	Val	A1a 200	Met	Glu	GIu		Glu	Glu	Glu	Glu	
133			193					200				205					
134	GAG	GAG	GAG	GAG	GAA	GAG	GAA	ATG	GGA	AAC	CCG	GAT	GGC	TTC	TCA	ССТ	672
135															Ser		
136	210					215			_		220	_	-			225	
137																	
138 139	TAG																675
140	(2)	INI	FORM	ATIO	V FOI	SEC	HENO	CE II	NO:	. 3.							
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152 153																TTTTT	60
154																TAAAGT TGATAC	120
155			TAC A												-WIW]	GMIMC	180 228
156														-			
157																	
158																	
		7377	30D1/1		T TO -												

159 (2) INFORMATION FOR SEQUENCE ID NO: 4:

160	(i) SEQUENCE CHARACTERISTICS:	
161	(A) LENGTH: 1365 base pairs	
162	(B) TYPE: nucleic acid	
163	(C) STRANDEDNESS: singular	
164	(D) TOPOLOGY: linear	
165	(ii) MOLECULE TYPE: genomic DNA	
166	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
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168		
169		
170		
171	ACCACAGGAG AATGAAAAGA ACCCGGGACT CCCAAAGACG CTAGATGTGT	50
172	GAAGATCCTG ATCACTCATT GGGTGTCTGA GTTCTGCGAT ATTCATCCCT	100
173	CAGCCAATGA GCTTACTGTT CTCGTGGGGG GTTTGTGAGC CTTGGGTAGG	150
174	AAGTTTTGCA AGTTCCGCCT ACAGCTCTAG CTTGTGAATT TGTACCCTTT	200
175	CACGTAAAAA AGTAGTCCAG AGTTTACTAC ACCCTCCCTC CCCCCTCCCA	250
176	CCTCGTGCTG TGCTGAGTTT AGAAGTCTTC CTTATAGAAG TCTTCCGTAT	300
177	AGAACTCTTC CGGAGGAAGG AGGGAGGACC CCCCCCTTT GCTCTCCCAG	350
178	CATGCATTGT GTCAACGCCA TTGCACTGAG CTGGTCGAAG AAGTAAGCCG	400
179	CTAGCTTGCG ACTCTACTCT TATCTTAACT TAGCTCGGCT TCCTGCTGGT	450
180	ACCCTTTGTG CC	462
181	ATG TCT GAT AAC AAG AAA CCA GAC AAA GCC CAC AGT GGC TCA	504
182	GGT GGT GAC GGT GAT GGG AAT AGG TGC AAT TTA TTG CAC CGG	546
183	TAC TCC CTG GAA GAA ATT CTG CCT TAT CTA GGG TGG CTG GTC	
184	TTC GCT GTT GTC ACA ACA AGT TTT CTG GCG CTC CAG ATG TTC	588
185	ATA GAC GCC CTT TAT GAG GAG CAG TAT GAA AGG GAT GTG GCC	630
186	TGG ATA GCC AGG CAA AGC AAG CGC ATG TCC TCT GTC GAT GAG	672
187		714
188	GAT GAA GAC GAT GAG GAT GAG GAT GAC TAC GAC GAC	756
189	GAG GAC GAC GAC GAT GCC TTC TAT GAT GAT GAG GAT GAT	798
190	GAG GAA GAA TTG GAG AAC CTG ATG GAT GAA TCA GAA	840
191	GAT GAG GCC GAA GAA GAG ATG AGC GTG GAA ATG GGT GCC GGA	882
-	GCT GAG GAA ATG GGT GCT GGC GCT AAC TGT GCC TGT GTT CCT	924
192	GGC CAT CAT TTA AGG AAG AAT GAA GTG AAG TGT AGG ATG AT	966
193	TAT TTC TTC CAC GAC CCT AAT TTC CTG GTG TCT ATA CCA GTG	1008
194	AAC CCT AAG GAA CAA ATG GAG TGT AGG TGT GAA AAT GCT GAT	1050
195	GAA GAG GTT GCA ATG GAA GAG GAA GAA GAA GAG GAG GAG	1092
196	GAG GAG GAA GAG GAA ATG GGA AAC CCG GAT GGC TTC TCA CCT	1134
197	TAG	1137
198	GCATGCAGTT GCAAAGCCCA GAAGAAGAA ATGGACAGCG GAAGAAGTGG	1187
199	TTGTTTTTTT TTCCCCTTCA TTAATTTTCT AGTTTTTAGT AATCCAGAAA	1237
200	ATTTGATTTT GTTCTAAAGT TCATTATGCA AAGATGTCAC CAACAGACTT	1287
201		1337
202	GTTAAAAATA AAAGTTTGAC TTGCATAC	1365
203		
204		
205		
206	(2) INFORMATION FOR SEQUENCE ID NO: 5:	
207	(i) SEQUENCE CHARACTERISTICS:	
208	(A) LENGTH: 4698 base pairs	
209	(B) TYPE: nucleic acid	
210	(C) STRANDEDNESS: singular	
211	(D) TOPOLOGY: linear	
212	(ii) MOLECULE TYPE: genomic DNA	

#### Raw Sequence Listing

213	(xi) SEQUENCE DESCRIPTION: SEQ	ID NO:	5:	
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216				
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219	CAGCCAATGA GCTTACTGTT CTCGTGGGGG GTT	TGTGAGC (	CTTGGGTAGG	150
220	AAGTTTTGCA AGTTCCGCCT ACAGCTCTAG CTT			200
221	CACGTAAAAA AGTAGTCCAG AGTTTACTAC ACC		<del>_</del>	250
222	CCTCGTGCTG TGCTGAGTTT AGAAGTCTTC CTT			300
223	AGAACTCTTC CGGAGGAAGG AGGGAGGACC CCC			350
224	CATGCATTGT GTCAACGCCA TTGCACTGAG CTG			400
225	CTAGCTTGCG ACTCTACTCT TATCTTAACT TAG			450
226	ACCUTTIGE CC	CICGGCI .	1001001001	462
227	ATG TCT GAT AAC AAG AAA CCA GAC AAA	GCC CAC I	ACT CCC TCA	504
228	GGT GGT GAC GGT GAT GGG AAT AGG TGC			546
229	TAC TCC CTG GAA GAA ATT CTG CCT TAT			
230	TTC GCT GTT GTC ACA ACA AGT TTT CTG			588
231			· · · · · · · · · · · · · · · ·	630
231	ATA GAC GCC CTT TAT GAG GAG CAG TAT			672
232	TGG ATA GCC AGG CAA AGC AAG CGC ATG			714
234	GAT GAA GAC GAT GAG GAT GAG GAT			756
	GAG GAC GAC GAC GAT GCC TTC TAT			798
235	GAG GAA GAA TTG GAG AAC CTG ATG			840
236	GAT GAG GCC GAA GAA GAG ATG AGC GTG			882
237	GCT GAG GAA ATG GGT GCT GGC GCT AAC			916
238	GTGAGTAACC CGTGGTCTTT ACTCTAGATT CAG			966
239	CTCTTGCCCA CATCTGTAGT AAAGACCACA TTT			1016
240	TGGAGCCATT CCTGGCTCTC CTGTCCACGC CTA			1066
241	CCCCACTCCT TGCTCCGCTC TCTTTCCTTT TCC			1116
242	TTCAGTCCAT CCTGCTCTGC TCCCTTTCCC CTT			1166
243	TCCCCCTCGG CTCAACTTTT CGTGCCTTCT GCT			1216
244	TTCAGGCTTC CCCATTTGCT CCTCTCCCGA AAC			1266
245	CCTTTTCGCG CCTTTTCTTT CCTGCTCCCC TCC	CCCTCCC 1	PATTTACCTT	1316
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247	TCCTGCTCCC CTCCCCTCC CCTCCCTGTT TAC	CCTTCAC (	CGCTTTTCCT	1416
248	CTACCTGCTT CCCTCCCCCT TGCTGCTCCC TCC	CTATTTG (	CATTTTCGGG	1466
249	TGCTCCTCCC TCCCCTCCC CCTCCCTCCC TAT	TTGCATT T	TTCGGGTGCT	1516
250	CCTCCCTCCC CCTCCCCAGG CCTTTTTTT TTT	TTTTTTT 1	PTTTTTTT	1566
251	TTGGTTTTTC GAGACAGGGT TTCTCTTTGT ATC	CCTGGCT (	GTCCTGGCAC	1616
252	TCACTCTGTA GACCAGGCTG GCCTCAAACT CAG			1666
253	CCTCCCAAAT GCTGGGATTA AAGGCTTGCA CCA	GGACTGC (	CCCAGTGCAG	1716
254	GCCTTTCTTT TTTCTCCTCT CTGGTCTCCC TAA			1766
255	AACTCCCCTT TTGGCACCTT TCCTTTACAG GAC			1816
256	TTCCCTTCCG GCACCCTTCC TAGCCCTGCT CTG			1866
257	CCTCCCCTC TTTGCTCGAC TTTTAGCAGC CTT			1916
258	GCCCCGTTCC CCTTTTTTGT GCCTTTCCTC CTG			1966
259	AGCTCACCTT TTTGTTTGTT TGGTTGTTTG GTT			2016
260	TTTTTTTTT GCACCTTGTT TTCCAAGATC CCC			2016
261	CCTCTGTGTG CCTTTCCTGT TCCCTCCCC TCG			2116
262	TCTGCCTTC CTGTCCCTGC TCCCTTCTCT GCT			2116
263	CTTTCTAGA CTCCCCCTC CAGGCTTGCT GTT			2216
264	CCTGACCCTG CTCCCCTTCC CCTCCCAGCT CCC			
265	CCTTTCTCCA GCCTGTCACC CCTCCTTCTC TCC			2266
			LICICCIACI	2316

#### Patent Application US/07/807,043A

266	TCCTGCTTCC TTTACCCCTT CCCTCTCCCT ACTCTCCTCC CTGCCTGCTG	2366
267	GACTTCCTCT CCAGCCGCCC AGTTCCCTGC AGTCCTGGAG TCTTTCCTGC	2416
268	CTCTCTGTCC ATCACTTCCC CCTAGTTTCA CTTCCCTTTC ACTCTCCCCT	2466
269	ATGTGTCTCT CTTCCTATCT ATCCCTTCCT TTCTGTCCCC TCTCCTCTGT	2516
270	CCATCACCTC TCTCCTCCCT TCCCTTTCCT CTCTCTTCCA TTTTCTTCCA	2566
271	CCTGCTTCTT TACCCTGCCT CTCCCATTGC CCTCTTACCT TTATGCCCAT	2616
272	TCCATGTCCC CTCTCAATTC CCTGTCCCAT TGTGCTCCCT CACATCTTCC	2666
273	ATTTCCCTCT TTCTCCCTTA GCCTCTTCTT CCTCTTCTCT TGTATCTCCC	2716
274	TTCCCTTTGC TTCTCCCTCC TCCTTTCCCC TTCCCCTATG CCCTCTACTC	2766
275	TACTTGATCT TCTCTCCTCT CCACATACCC TTTTTCCTTT CCACCCTGCC	2816
276	CTTTGTCCCC AGACCCTACA GTATCCTGTG CACAGGAAGT GGGAGGTGCC	2866
277	ATCAACAACA AGGAGGCAAG AAACAGAGCA AAATCCCAAA ATCAGCAGGA	2916
278	AAGGCTGGAT GAAAATAAGG CCAGGTTCTG AGGACAGCTG GAATCTAGCC	2966
279	AAGTGGCTCC TATAACCCTA AGTACCAAGG GAGAAAGTGA TGGTGAAGTT	3016
280	CTTGATCCTT GCTGCTTCTT TTACATATGT TGGCACATCT TTCTCAAATG	3066
281	CAGGCCATGC TCCATGCTTG GCGCTTGCTC AGCGTGGTTA AGTAATGGGA	3116
282	GAATCTGAAA ACTAGGGGCC AGTGGTTTGT TTTGGGGACA AATTAGCACG	3166
283	TAGTGATATT TCCCCCTAAA AATTATAACA AACAGATTCA TGATTTGAGA	3216
284	TCCTTCTACA GGTGAGAAGT GGAAAAATTG TCACTATGAA GTTCTTTTTA	3266
285	GGCTAAAGAT ACTTGGAACC ATAGAAGCGT TGTTAAAATA CTGCTTTCTT	3316
286	TTGCTAAAAT ATTCTTTCTC ACATATTCAT ATTCTCCAG	3355
287	GT GTT CCT GGC CAT CAT TTA AGG AAG AAT GAA GTG AAG TGT	3396
288	AGG ATG ATT TAT TTC TTC CAC GAC CCT AAT TTC CTG GTG TCT	3438
289	ATA CCA GTG AAC CCT AAG GAA CAA ATG GAG TGT AGG TGT GAA	3480
290	AAT GCT GAT GAA GAG GTT GCA ATG GAA GAG GAA GAA GAA	3522
291	GAG GAG GAG GAG GAA GAG GAA ATG GGA AAC CCG GAT GGC	3564
292	TTC TCA CCT TAG	3576
293	GCATGCAGGT ACTGGCTTCA CTAACCAACC ATTCCTAACA TATGCCTGTA	3626
294	GCTAAGAGCA TCTTTTAAA AAATATTATT GGTAAACTAA ACAATTGTTA	3676
295	TCTTTTTACA TTAATAAGTA TTAAATTAAT CCAGTATACA GTTTTAAGAA	3726
296	CCCTAAGTTA AACAGAAGTC AATGATGTCT AGATGCCTGT TCTTTAGATT	3776
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298	GACCAGTAAA AGATCATGCA GTGAAATGTG GCCATGGAAA TCGCATATTG	3876
299	TTCTTATAGT ACCTTTGAGA CAGCTGATAA CAGCTGACAA AAATAAGTGT	3926
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301	TTCTGATTTT TTTCATTTCT AGACCTGTGG TTTTAAAGAG ATGAAAATCT	4026
302	CTTAAAATTT CCTTCATCTT TAATTTTCCT TAACTTTAGT TTTTTTCACT	4076
303	TAGAATTCAA TTCAAATTCT TAATTCAATC TTAATTTTTA GATTTCTTAA	4126
304	AATGTTTTTT AAAAAAATG CAAATCTCAT TTTTAAGAGA TGAAAGCAGA	4176
305	GTAACTGGGG GGCTTAGGGA ATCTGTAGGG TTGCGGTATA GCAATAGGGA	4226
306		4276
307	CAGTAGGTTA GTGAGGTTGA TATGATCAGA TTATGGACAC TCTCCAAATC	4326
308	ATAAATACTC TAACAGCTAA GGATCTCTGA GGGAAACACA ACAGGGAAAT	
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310	AGTCAGGAGT GTATTCTAAT AAGTGTTGCT TATCTCTTAT TTTCTTCTAC	4476
311	AGTTGCAAAG CCCAGAAGAA AGAAATGGAC AGCGGAAGAA GTGGTTGTTT	4526
312	TTTTTTCCCC TTCATTAATT TTCTAGTTTT TAGTAATCCA GAAAATTTGA	4576
313	TTTTGTTCTA AAGTTCATTA TGCAAAGATG TCACCAACAG ACTTCTGACT	4626
314		4676
315		4698
316		
215		

317

#### Raw Sequence Listing

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319
          (i) SEQUENCE CHARACTERISTICS:
320
               (A) LENGTH: 7 amino acids
321
               (B) TYPE: amino acid
322
               (C) STRANDEDNESS: singular
323
               (D) TOPOLOGY: linear
324
          (ii) MOLECULE TYPE: protein
325
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
326
327
328
329
330
     Leu Pro Tyr Leu Gly Trp Leu
331
332
333
334
335
336
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338
339
          INFORMATION FOR SEQUENCE ID NO: 7:
340
          (i) SEQUENCE CHARACTERISTICS:
341
               (A) LENGTH: 2419 base pairs
342
               (B) TYPE:
                           nucleic acid
343
               (C) STRANDEDNESS: singular
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               (D) TOPOLOGY: linear
          (ii) MOLECULE TYPE: genomic DNA
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346
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
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348
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350
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      TCCTGGTAGC ACTGAGAAGC CAGGGCTGTG CTTGCGGTCT GCACCCTGAG
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                                                                    200
355
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      CAGGACACAT AGGACTCCAC AGAGTCTGGC CTCACCTCCC TACTGTCAGT
                                                                   350
358
      CCTGTAGAAT CGACCTCTGC TGGCCGGCTG TACCCTGAGT ACCCTCTCAC
                                                                    400
359
      TTCCTCCTTC AGGTTTTCAG GGGACAGGCC AACCCAGAGG ACAGGATTCC
                                                                    450
360
      CTGGAGGCCA CAGAGGAGCA CCAAGGAGAA GATCTGTAAG TAGGCCTTTG
                                                                   500
361
      TTAGAGTCTC CAAGGTTCAG TTCTCAGCTG AGGCCTCTCA CACACTCCCT
                                                                   550
362
      CTCTCCCCAG GCCTGTGGGT CTTCATTGCC CAGCTCCTGC CCACACTCCT
                                                                   600
      GCCTGCTGCC CTGACGAGAG TCATCATGTC TCTTGAGCAG AGGAGTCTGC
363
                                                                   650
      ACTGCAAGCC TGAGGAAGCC CTTGAGGCCC AACAAGAGGC CCTGGGCCTG
364
                                                                   700
365
      GTGTGTGC AGGCTGCCAC CTCCTCCT TCTCCTCTGG TCCTGGGCAC
                                                                   750
366
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      AGGGAGCCTC CGCCTTTCCC ACTACCATCA ACTTCACTCG ACAGAGGCAA
367
                                                                   850
368
      CCCAGTGAGG GTTCCAGCAG CCGTGAAGAG GAGGGGCCAA GCACCTCTTG
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369
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      GCAGAAATGC TGGAGAGTGT CATCAAAAAT TACAAGCACT GTTTTCCTGA
371
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#### Raw Sequence Listing

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550

#### Patent Application US/07/807,043A

372	GATCTTCGGC AAAGCCTCTG AGTCCTTGCA GCTGGTCTTT GGCATTGACG	1100
373	TGAAGGAAGC AGACCCCACC GGCCACTCCT ATGTCCTTGT CACCTGCCTA	1150
374	GGTCTCTCCT ATGATGGCCT GCTGGGTGAT AATCAGATCA TGCCCAAGAC	1200
375	AGGCTTCCTG ATAATTGTCC TGGTCATGAT TGCAATGGAG GGCGGCCATG	1250
376	CTCCTGAGGA GGAAATCTGG GAGGAGCTGA GTGTGATGGA GGTGTATGAT	1300
377	GGGAGGGAGC ACAGTGCCTA TGGGGAGCCC AGGAAGCTGC TCACCCAAGA	1350
378	TTTGGTGCAG GAAAAGTACC TGGAGTACGG CAGGTGCCGG ACAGTGATCC	1400
379	CGCACGCTAT GAGTTCCTGT GGGGTCCAAG GGCCCTCGCT GAAACCAGCT	1450
380	ATGTGAAAGT CCTTGAGTAT GTGATCAAGG TCAGTGCAAG AGTTCGCTTT	1500
381	TTCTTCCCAT CCCTGCGTGA AGCAGCTTTG AGAGAGGAGG AAGAGGGAGT	1550
382	CTGAGCATGA GTTGCAGCCA AGGCCAGTGG GAGGGGGACT GGGCCAGTGC	1600
383	ACCTTCCAGG GCCGCGTCCA GCAGCTTCCC CTGCCTCGTG TGACATGAGG	1650
384	CCCATTCTTC ACTCTGAAGA GAGCGGTCAG TGTTCTCAGT AGTAGGTTTC	1700
385	TGTTCTATTG GGTGACTTGG AGATTTATCT TTGTTCTCTT TTGGAATTGT	1750
386	TCAAATGTTT TTTTTTAAGG GATGGTTGAA TGAACTTCAG CATCCAAGTT	1800
387	TATGAATGAC AGCAGTCACA CAGTTCTGTG TATATAGTTT AAGGGTAAGA	1850
388	GTCTTGTGTT TTATTCAGAT TGGGAAATCC ATTCTATTTT GTGAATTGGG	1900
389	ATAATAACAG CAGTGGAATA AGTACTTAGA AATGTGAAAA ATGAGCAGTA	1950
390	AAATAGATGA GATAAAGAAC TAAAGAAATT AAGAGATAGT CAATTCTTGC	2000
391	CTTATACCTC AGTCTATTCT GTAAAATTTT TAAAGATATA TGCATACCTG	2050
392	GATTTCCTTG GCTTCTTTGA GAATGTAAGA GAAATTAAAT CTGAATAAAG	2100
393	AATTCTTCCT GTTCACTGGC TCTTTTCTTC TCCATGCACT GAGCATCTGC	2150
394	TTTTTGGAAG GCCCTGGGTT AGTAGTGGAG ATGCTAAGGT AAGCCAGACT	2200
395	CATACCCACC CATAGGGTCG TAGAGTCTAG GAGCTGCAGT CACGTAATCG	2250
396	AGGTGGCAAG ATGTCCTCTA AAGATGTAGG GAAAAGTGAG AGAGGGGTGA	
397	GGGTGTGGGG CTCCGGGTGA GAGTGGTGGA GTGTCAATGC CCTGAGCTGG	2300
398	GGCATTTTGG GCTTTGGGAA ACTGCAGTTC CTTCTGGGGG AGCTGATTGT	2350
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400	AAIGAICIIG GGIGGAICC	2419
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402	(2) INFORMATION FOR SEQUENCE ID NO: 8:	
403	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 5688 base pairs 5674 (B) TYPE: nucleic acid	
404	(A) LENGTH: Cooks base pairs 30 t	relisted
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	(C) STRANDEDNESS: singular	
406	(D) TOPOLOGY: linear	
407	(ii) MOLECULE TYPE: genomic DNA	
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	(A) NAME/KEY: MAGE-1 gene	
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413		
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415	TACGCCACCC ATCCAAACAT CTTCACGCTC ACCCCCAGCC CAAGCCAGGC	100
416	AGAATCCGGT TCCACCCCTG CTCTCAACCC AGGGAAGCCC AGGTGCCCAG	150
417	ATGTGACGCC ACTGACTTGA GCATTAGTGG TTAGAGAGAA GCGAGGTTTT	200
418	CGGTCTGAGG GGCGGCTTGA GATCGGTGGA GGGAAGCGGG CCCAGCTCTG	250
419	TAAGGAGGCA AGGTGACATG CTGAGGGAGG ACTGAGGACC CACTTACCCC	300
420	AGATAGAGGA CCCCAAATAA TCCCTTCATG CCAGTCCTGG ACCATCTGGT	350
421	GGTGGACTTC TCAGGCTGGG CCACCCCCAG CCCCCTTGCT GCTTAAACCA	400
422	CTGGGGACTC GAAGTCAGAG CTCCGTGTGA TCAGGGAAGG GCTGCTTAGG	450
423	AGAGGGCAGC GTCCAGGCTC TGCCAGACAT CATGCTCAGG ATTCTCAAGG	500

424 AGGGCTGAGG GTCCCTAAGA CCCCACTCCC GTGACCCAAC CCCCACTCCA

#### Raw Sequence Listing

08/31/92 14:54:52

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426	CCCCACATCC	CCCACCCCAT	CCCTCAACCC	TGATGCCCAT	CCGCCCAGCC	650
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429	GCCACTGACT	TGCGCATTGT	GGGGCAGAGA	GAAGCGAGGT	TTCCATTCTG	800
430					CTCTGTGAGG	
431					ACTCCAAATA	
432	GAGAGCCCCA	AATATTCCAG	CCCCGCCCTT	GCTGCCAGCC	CTGGCCCACC	950
433	CGCGGGAAGA	CGTCTCAGCC	TGGGCTGCCC	CCAGACCCCT	GCTCCAAAAG	1000
434	CCTTGAGAGA	CACCAGGTTC	TTCTCCCCAA	GCTCTGGAAT	CAGAGGTTGC	1050
435	TGTGACCAGG	GCAGGACTGG	TTAGGAGAGG	GCAGGGCACA	CAGAGGTTGC GGCTCTGCCA	1100
436	GGCATCAAGA	TCAGCACCCA	AGAGGGAGGG	CTGTGGGCCC	CCAAGACTGC	1150
437	ACTCCAATCC	CCACTCCCAC	CCCATTCGCA	TTCCCATTCC	CCACCCAACC	1200
438					TACTCCGTCA	
439	CCTGACCACC	ACCCTCCAGC	CCCAGCACCA	GCCCCAACCC	TTCTGCCACC	1300
440	TCACCCTCAC	TGCCCCCAAC	CCCACCCTCA	TCTCTCTCAT	GTGCCCCACT	1350
441	CCCATCGCCT	CCCCCATTCT	GGCAGAATCC	GGTTTGCCCC	TGCTCTCAAC	1400
442					TGAACCTCAC	
443	AGATCTGAGA	GAAGCCAGGT	TCATTTAATG	GTTCTGAGGG	GCGGCTTGAG	
444	ATCCACTGAG	GGGAGTGGTT	TTAGGCTCTG	TGAGGAGGCA	AGGTGAGATG	1550
445	CTGAGGGAGG	ACTGAGGAGG	CACACACCCC	AGGTAGATGG	CCCCAAAATG	1600
446					CAGGACAGAT	
447	GTCTCAGCTG	GACCACCCCC	CGTCCCGTCC	CACTGCCACT	TAACCCACAG	1700
448	GGCAATCTGT	AGTCATAGCT	TATGTGACCG	GGGCAGGGTT	GGTCAGGAGA	1750
449	GGCAGGGCCC	AGGCATCAAG	GTCCAGCATC	CGCCCGGCAT	TAGGGTCAGG	1800
450	ACCCTGGGAG	GGAACTGAGG	GTTCCCCACC	CACACCTGTC	TAGGGTCAGG TCCTCATCTC	1850
451	CACCGCCACC	CCACTCACAT	TCCCATACCT	ACCCCCTACC	CCCAACCTCA	1900
452	TCTTGTCAGA	ATCCCTGCTG	TCAACCCACG	GAAGCCACGG	GAATGGCGGC	1950
453					GAGGGAAGGG	
454	GCTTGAACAG	GGCCTCAGGG	GAGCAGAGGG	AGGGCCCTAC	TGCGAGATGA	2050
455	GGGAGGCCTC	AGAGGACCCA	GCACCCTAGG	ACACCGCACC	CCTGTCTGAG	2100
456	ACTGAGGCTG	CCACTTCTGG	CCTCAAGAAT	CAGAACGATG	GGGACTCAGA	2150
457	TTGCATGGGG	GTGGGACCCA	GGCCTGCAAG	GCTTACGCGG	AGGAAGAGGA	2200
458	GGGAGGACTC	AGGGGACCTT	GGAATCCAGA	TCAGTGTGGA	CCTCGGCCCT	2250
459	GAGAGGTCCA	GGGCACGGTG	GCCACATATG	GCCCATATTT	CCTGCATCTT	2300
460					TCAGGTCAAC	
461					CCCCTTCATG	
462	AGGACTGGGG	ATATCCCCGG	CTCAGAAAGA	AGGGACTCCA	CACAGTCTGG	2450
463	CTGTCCCCTT	TTAGTAGCTC	TAGGGGGACC	AGATCAGGGA	TGGCGGTATG	2500
464	TTCCATTCTC	ACTTGTACCA	CAGGCAGGAA	GTTGGGGGGC	CCTCAGGGAG	2550
465	ATGGGGTCTT	GGGGTAAAGG	GGGGATGTCT	ACTCATGTCA	GGGAATTGGG	2600
466	GGTTGAGGAA	GCACAGGCGC	TGGCAGGAAT	AAAGATGAGT	GAGACAGACA	2650
467	AGGCTATTGG	AATCCACACC	CCAGAACCAA	AGGGGTCAGC	CCTGGACACC	2700
468		TGTGGCTTCT				2750
469		CATTCTCAGA				2800
470		AGACAGAGCG				2850
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472		ATCAGCCCTG				2950
473		CCGAGGTCCT				3000
474		CTTGGTCTGA				3050
475		CTGCCAGGAG				3100
476		TAATTCCAAT				3150
477	AAGGACCTAG	GCACGTGTGG	CCAGATGTTT	GTCCCCTCCT	GTCCTTCCAT	3200

478	TCCTTATCAT GGATGTGAAC TCTTGATTTG GATTTCTCAG ACCAGCAAAA	3250
479	GGGCAGGATC CAGGCCCTGC CAGGAAAAAT ATAAGGGCCC TGCGTGAGAA	3300
480	CAGAGGGGGT CATCCACTGC ATGAGAGTGG GGATGTCACA GAGTCCAGCC	3350
481	CACCCTCCTG GTAGCACTGA GAAGCCAGGG CTGTGCTTGC GGTCTGCACC	3400
482	CTGAGGGCCC GTGGATTCCT CTTCCTGGAG CTCCAGGAAC CAGGCAGTGA	3450
483	GGCCTTGGTC TGAGACAGTA TCCTCAGGTC ACAGAGCAGA GGATGCACAG	3500
484	GGTGTGCCAG CAGTGAATGT TTGCCCTGAA TGCACACCAA GGGCCCCACC	3550
485	TGCCACAGGA CACATAGGAC TCCACAGAGT CTGGCCTCAC CTCCCTACTG	3600
486	TCAGTCCTGT AGAATCGACC TCTGCTGGCC GGCTGTACCC TGAGTACCCT	3650
487	CTCACTTCCT CCTTCAGGTT TTCAGGGGAC AGGCCAACCC AGAGGACAGG	3700
488	ATTCCCTGGA GGCCACAGAG GAGCACCAAG GAGAAGATCT GTAAGTAGGC	3750
489	CTTTGTTAGA GTCTCCAAGG TTCAGTTCTC AGCTGAGGCC TCTCACACAC	3800
490	TCCCTCTCTC CCCAGGCCTG TGGGTCTTCA TTGCCCAGCT CCTGCCCACA	3850
491	CTCCTGCCTG CTGCCCTGAC GAGAGTCATC	3880
492	ATG TCT CTT GAG CAG AGG AGT CTG CAC TGC AAG CCT GAG GAA	
493	GCC CTT GAG GCC CAA CAA GAG GCC CTG GGC CTG GTG TGT GTG	3964
494	CAG GCT GCC ACC TCC TCC TCT CCT CTG GTC CTG GGC ACC	4006
495	CTG GAG GAG GTG CCC ACT GCT GGG TCA ACA GAT CCT CCC CAG	4048
496	AGT CCT CAG GGA GCC TCC GCC TTT CCC ACT ACC ATC AAC TTC	4090
497	ACT CGA CAG AGG CAA CCC AGT GAG GGT TCC AGC AGC CGT GAA	4132
498	GAG GAG GGG CCA AGC ACC TCT TGT ATC CTG GAG TCC TTG TTC	4174
499	CGA GCA GTA ATC ACT AAG AAG GTG GCT GAT TTG GTT GGT TTT	4216
500	CTG CTC CTC AAA TAT CGA GCC AGG GAG CCA GTC ACA AAG GCA	4258
501	GAA ATG CTG GAG AGT GTC ATC AAA AAT TAC AAG CAC TGT TTT	4300
502	CCT GAG ATC TTC GGC AAA GCC TCT GAG TCC TTG CAG CTG GTC	4342
503	TTT GGC ATT GAC GTG AAG GAA GCA GAC CCC ACC GGC CAC TCC	4384
504	TAT GTC CTT GTC ACC TGC CTA GGT CTC TCC TAT GAT GGC CTG	4426
505	CTG GGT GAT AAT CAG ATC ATG CCC AAG ACA GGC TTC CTG ATA	4468
506	ATT GTC CTG GTC ATG ATT GCA ATG GAG GGC GGC CAT GCT CCT	4510
507	GAG GAG GAA ATC TGG GAG GAG CTG AGT GTG ATG GAG GTG TAT	4552
508	GAT GGG AGG GAG CAC AGT GCC TAT GGG GAG CCC AGG AAG CTG	4594
509	CTC ACC CAA GAT TTG GTG CAG GAA AAG TAC CTG GAG TAC GGC	4636
510	AGG TGC CGG ACA GTG ATC CCG CAC GCT ATG AGT TCC TGT GGG	4678
511	GTC CAA GGG CCC TCG CTG AAA CCA GCT ATG TGA	4711
512	AAGTCCTTGA GTATGTGATC AAGGTCAGTG CAAGAGTTC	
513	GCTTTTTCTT CCCATCCCTG CGTGAAGCAG CTTTGAGAGA GGAGGAAGAG	4750
514	GGAGTCTGAG CATGAGTTGC AGCCAAGGCC AGTGGGAGGG GGACTGGGCC	
515	AGTGCACCTT CCAGGGCCGC GTCCAGCAGC TTCCCCTGCC TCGTGTGACA	
516	TGAGGCCCAT TCTTCACTCT GAAGAGAGCG GTCAGTGTTC TCAGTAGTAG	4900
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518	ATTGTTCAAA TGTTTTTTT TAAGGGATGG TTGAATGAAC TTCAGCATCC	5000
519	AAGTTTATGA ATGACAGCAG TCACACAGTT CTGTGTATAT AGTTTAAGGG	5050
520	TAAGAGTCTT GTGTTTTATT CAGATTGGGA AATCCATTCT ATTTTGTGAA	5100
521		5150
521	TTGGGATAAT AACAGCAGTG GAATAAGTAC TTAGAAATGT GAAAAATGAG	5200
523	CAGTAAAATA GATGAGATAA AGAACTAAAG AAATTAAGAG ATAGTCAATT	5250
	CTTGCCTTAT ACCTCAGTCT ATTCTGTAAA ATTTTTAAAG ATATATGCAT	5300
524 525	ACCTGGATTT CCTTGGCTTC TTTGAGAATG TAAGAGAAAT TAAATCTGAA	5350
525 526	TAAAGAATTC TTCCTGTTCA CTGGCTCTTT TCTTCTCCAT GCACTGAGCA	5400
526	TCTGCTTTTT GGAAGGCCCT GGGTTAGTAG TGGAGATGCT AAGGTAAGCC	5450
527	AGACTCATAC CCACCCATAG GGTCGTAGAG TCTAGGAGCT GCAGTCACGT	5500
528	AATCGAGGTG GCAAGATGTC CTCTAAAGAT GTAGGGAAAA GTGAGAGAGG	5550
529	GGTGAGGGTG TGGGGCTCCG GGTGAGAGTG GTGGAGTGTC AATGCCCTGA	5600
530	GCTGGGGCAT TTTGGGCTTT GGGAAACTGC AGTTCCTTCT GGGGGAGCTG	5650

## Raw Sequence Listing

08/31/92 14:55:06

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534					
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536	(2) INFORMATION FOR SE	EQUENCE ID	NO: 9:		
537	(i) SEQUENCE CHARA	ACTERISTICS	S:		
538	(A) LENGTH:	4157 base	pairs		
539	(B) TYPE: r	nucleic aci	iđ		•
540	(C) STRANDEDN	WESS: sing	gular		
541	(D) TOPOLOGY:	linear			
542	(ii) MOLECULE TYPE	E: genomic	DNA		
543	(ix) FEATURE:				
544	(A) NAME/KEY:	MAGE-2	gene		
545	(xi) SEQUENCE DESC	CRIPTION:	SEQ ID NO:	9:	
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548					
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550	CCCAGGGAAG TCACGGGCCC				100
551	GGTCAGAGGA CAGCGAGATT C				150
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553	AGGACTGAGG CGGGCCTCAC C				250
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555	GCTCAGTCGC CACCACCTCA C				350
556	GGAACTCTGG CGTAAGAGCT 1				400
557	TGCTCAGGGC CCAGACTCAG				450
558	GACTGAGGGC AACCCACCCC				500
559	ACCAACCCCA CCCCCATCCC 1				550
560	TCCCATCTCC TCCCCCACCA (				600
561	CAATCAACCC ACGGAAGCTC				650
562	ACGTTCACAT GTACGGCTAA				700
563	GGCCTTTGGG ATGCAGAGGA F				750
564	TCCTTAGGGG ACCCAGCATG				800
565	TCAAACTGAG CCACCTTTTC A				850
566	CCCACTTCAG GGGGTTGGGG				900
567 568	AAGAGGAGG ACTGAGGGGA C				950
569	GCTGGGGAT CCTGGGCACA G				1000
570	CTTCAGGGTG ACAGAGAGTT C				1050
571	GGTCAGCAGA GGGAGGAATC C				1100
572	CTTCATGAGG ACTCCCCATA C				1150
573	AGTCTGGAAG TAAATTGTTC T				1200
574	CCCTAAGTGA CAATCTCATT 1				1250
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579	CAGATCTCAG GGAGTTGATG A				1500
580	ACAGGGGCCC CTCTGGTCGA C				1550
581	ATCCAGGTGG AGAGCCTGAG G				1600
582	GCAGCAAGGG GGCCCCATAG A				1650
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#### Raw Sequence Listing

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586	GTCCTTCGCG GAGGACCTGG TCACGTATGG CCAGATGTGG GTCCCCTCTA	1900
587	TCTCCTTCTG TACCATATCA GGGATGTGAG TTCTTGACAT GAGAGATTCT	1950
588	CAAGCCAGCA AAAGGGTGGG ATTAGGCCCT ACAAGGAGAA AGGTGAGGGC	2000
589	CCTGAGTGAG CACAGAGGGG ACCCTCCACC CAAGTAGAGT GGGGACCTCA	2050
590	CGGAGTCTGG CCAACCCTGC TGAGACTTCT GGGAATCCGT GGCTGTGCTT	2100
591	GCAGTCTGCA CACTGAAGGC CCGTGCATTC CTCTCCCAGG AATCAGGAGC	2150
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599	TAAGGCCTCA CACACGCTCC TTCTCTCCCC AGGCCTGTGG GTCTTCATTG	2550
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601	ATG CCT CTT GAG CAG AGG AGT CAG CAC TGC AAG CCT GAA GAA	2639
602	GGC CTT GAG GCC CGA GGA GAG GCC CTG GGC CTG GTG GGT GCG	2681
603	CAG GCT CCT GCT ACT GAG GAG CAG CAG ACC GCT TCT TCC TCT	2723
604	TCT ACT CTA GTG GAA GTT ACC CTG GGG GAG GTG CCT GCC	2765
605	GAC TCA CCG AGT CCT CCC CAC AGT CCT CAG GGA GCC TCC AGC	2807
606	TTC TCG ACT ACC ATC AAC TAC ACT CTT TGG AGA CAA TCC GAT	
607	GAG GGC TCC AGC AAC CAA GAA GAG GAG GGG CCA AGA ATG TTT	2849
608	CCC GAC CTG GAG TCC GAG TTC CAA GCA GCA ATC AGT AGG AAG	2891
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610	ATG GTT GAG TTG GTT CAT TTT CTG CTC CTC AAG TAT CGA GCC AGG GAG CCG GTC ACA AAG GCA GAA ATG CTG GAG AGT GTC CTC	2975
611	AGA AAT TGC CAG GAC TTC TTT CCC GTG ATC TTC AGC AAA GCC	3017
612		3059
613		3101
614		3143
615	GGC CTC TCC TAC GAT GGC CTG CTG GGC GAC AAT CAG GTC ATG CCC AAG ACA GGC CTC CTG ATA ATC GTC CTG GCC ATA ATC GCA	3185
616		3227
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	CTG AGT ATG TTG GAG GTG TTT GAG GGG AGG GAC AGT GTC	3311
618	TTC GCA CAT CCC AGG AAG CTG CTC ATG CAA GAT CTG GTG CAG	3353
619	GAA AAC TAC CTG GAG TAC CGG CAG GTG CCC GGC AGT GAT CCT	3395
620	GCA TGC TAC GAG TTC CTG TGG GGT CCA AGG GCC CTC ATT GAA	3437
621	ACC AGC TAT GTG AAA GTC CTG CAC CAT ACA CTA AAG ATC GGT	3479
622	GGA GAA CCT CAC ATT TCC TAC CCA CCC CTG CAT GAA CGG GCT	3521
623	TTG AGA GAG GGA GAA GAG TGA	3542
624	GTCTCAGCAC ATGTTGCAGC CAGGGCCAGT GGGAGGGGGT CTGGGCCAGT	3592
625	GCACCTTCCA GGGCCCCATC CATTAGCTTC CACTGCCTCG TGTGATATGA	3642
626	GGCCCATTCC TGCCTCTTTG AAGAGAGCAG TCAGCATTCT TAGCAGTGAG	3692
627	TTTCTGTTCT GTTGGATGAC TTTGAGATTT ATCTTTCTTT CCTGTTGGAA	3742
628	TTGTTCAAAT GTTCCTTTTA ACAAATGGTT GGATGAACTT CAGCATCCAA	3792
629	GTTTATGAAT GACAGTAGTC ACACATAGTG CTGTTTATAT AGTTTAGGGG	3842
630	TAAGAGTCCT GTTTTTATT CAGATTGGGA AATCCATTCC ATTTTGTGAG	3892
631	TTGTCACATA ATAACAGCAG TGGAATATGT ATTTGCCTAT ATTGTGAACG	3942
632	AATTAGCAGT AAAATACATG ATACAAGGAA CTCAAAAGAT AGTTAATTCT	3992
633	TGCCTTATAC CTCAGTCTAT TATGTAAAAT TAAAAATATG TGTATGTTTT	4042
634	TGCTTCTTTG AGAATGCAAA AGAAATTAAA TCTGAATAAA TTCTTCCTGT	4092
635	TCACTGGCTC ATTTCTTTAC CATTCACTCA GCATCTGCTC TGTGGAAGGC	4142
636	CCTGGTAGTA GTGGG	4157

689

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643
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644
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645
               (B) TYPE:
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646
               (C) STRANDEDNESS: singular
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               (D) TOPOLOGY: linear
648
          (ii) MOLECULE TYPE: genomic DNA
649
          (ix) FEATURE:
650
               (A) NAME/KEY: MAGE-21 gene
651
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
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654
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656
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657
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658 GGAAGCAGGC GCAGGCTCCG TGAGGAGGCA AGGTAAGATG CCGAGGGAGG
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659
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660 CCTCTGCTGC CAGGCCTGGA CCACCCTGCA GGGGAAGACT TCTCAGGCTC
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661 AGTCGCCACC ACCTCACCCC GCCACCCCCC GCCGCTTTAA CCGCAGGGAA
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662 CTCTGGTGTA AGAGCTTTGT GTGACCAGGG CAGGGCTGGT TAGAAGTGCT
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663 CAGGGCCCAG ACTCAGCCAG GAATCAAGGT CAGGACCCCA AGAGGGGACT
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664 GAGGGTAACC CCCCCGCACC CCCACCACCA TTCCCATCCC CCAACACCAA
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665 CCCCACCCC ATCCCCCAAC ACCAAACCCA CCACCATCGC TCAAACATCA
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666 ACGGCACCC CAAACCCCGA TTCCCATCCC CACCCATCCT GGCAGAATCG
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677
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679
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680
               (A) LENGTH: 1640 base pairs
681
               (B) TYPE:
                           nucleic acid
682
               (C) STRANDEDNESS: singular
683
               (D) TOPOLOGY: linear
684
          (ii) MOLECULE TYPE: cDNA to mRNA
685
          (ix) FEATURE:
686
               (A) NAME/KEY: cDNA MAGE-3
687
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
688
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#### Raw Sequence Listing

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693	AGATCTGCCA GTGGGTCTCC ATTGCCCAGC TCCTGCCCAC ACTCCCGCCT	150
694	GTTGCCCTGA CCAGAGTCAT C	171
695	ATG CCT CTT GAG CAG AGG AGT CAG CAC TGC AAG CCT GAA GAA	
696	GGC CTT GAG GCC CGA GGA GAG GCC CTG GGC CTG GTG GGT GCG	
697	CAG GCT CCT GCT ACT GAG GAG CAG GAG GCT GCC TCC TCT	
698	TCT ACT CTA GTT GAA GTC ACC CTG GGG GAG GTG CCT GCC	
699	GAG TCA CCA GAT CCT CCC CAG AGT CCT CAG GGA GCC TCC AGC	381
700	GAG TCA CCA GAT CCT CCC CAG AGT CCT CAG GGA GCC TCC AGC CTC CCC ACT ACC ATG AAC TAC CCT CTC TGG AGC CAA TCC TAT	423
701	GAG GAC TCC AGC AAC CAA GAA GAG GAG GGG CCA AGC ACC TTC	465
702	CCT GAC CTG GAG TCC GAG TTC CAA GCA GCA CTC AGT AGG AAG	507
703	GTG GCC GAG TTG GTT CAT TTT CTG CTC CTC AAG TAT CGA GCC	
704	AGG GAG CCG GTC ACA AAG GCA GAA ATG CTG GGG AGT GTC GTC	
705	GGA AAT ፕሮሮ ርቅር ጥልጥ ጥጥር ጥጥጥ ርርጥ ርጥር አጥር ጥጥር አርር አአአ ርርጥ	633
706	TCC AGT TCC TTG CAG CTG GTC TTT GGC ATC GAG CTG ATG GAA	675
707	GTG GAC CCC ATC GGC CAC TTG TAC ATC TTT GCC ACC TGC CTG	717
708	GTG GAC CCC ATC GGC CAC TTG TAC ATC TTT GCC ACC TGC CTG GGC CTC TCC TAC GAT GGC CTG CTG GGT GAC AAT CAG ATC ATG CCC AAG GCA GGC CTC CTG ATA ATC GTC CTG GCC ATA ATC GCA	759
709	CCC AAG GCA GGC CTC CTG ATA ATC GTC CTG GCC ATA ATC GCA	801
710	AGA GAG GGC GAC TGT GCC CCT GAG GAG AAA ATC TGG GAG GAG	843
711	CTG AGT GTG TTA GAG GTG TTT GAG GGG AGG GAA GAC AGT ATG	885
712	TTG GGG GAT CCC AAG AAG CTG CTC ACC CAA CAT TTC GTG CAG	927
713	GAA AAC TAC CTG GAG TAC CGG CAG GTC CCC GGC AGT GAT CCT	969
714	GCA TGT TAT GAA TTC CTG TGG GGT CCA AGG GCC CTC GTT GAA	1011
715	ACC AGC TAT GTG AAA GTC CTG CAC CAT ATG GTA AAG ATC AGT GGA GGA CCT CAC ATT TCC TAC CCA CCC CTG CAT GAG TGG GTT	1053
716	GGA GGA CCT CAC ATT TCC TAC CCA CCC CTG CAT GAG TGG GTT	1095
717	TTG AGA GAG GGG GAA GAG TGA	1116
718	GTCTGAGCAC GAGTTGCAGC CAGGGCCAGT GGGAGGGGGT CTGGGCCAGT	1166
719	GCACCTTCCG GGGCCGCATC CCTTAGTTTC CACTGCCTCC TGTGACGTGA	1216
720	GGCCCATTCT TCACTCTTTG AAGCGAGCAG TCAGCATTCT TAGTAGTGGG	
721	TTTCTGTTCT GTTGGATGAC TTTGAGATTA TTCTTTGTTT CCTGTTGGAG	1316
722	TTGTTCAAAT GTTCCTTTTA ACGGATGGTT GAATGAGCGT CAGCATCCAG GTTTATGAAT GACAGTAGTC ACACATAGTG CTGTTTATAT AGTTTAGGAG	1366
723	GTTTATGAAT GACAGTAGTC ACACATAGTG CTGTTTATAT AGTTTAGGAG	1416
724	TAAGAGTCTT GttTTTACT CAAATTGGGA AATCCATTCC ATTTTGTGAA	1466
725	TTGTGACATA ATAATAGCAG TGGTAAAAGT ATTTGCTTAA AATTGTGAGC	
726	GAATTAGCAA TAACATACAT GAGATAACTC AAGAAATCAA AAGATAGTTG	
727	ATTCTTGCCT TGTACCTCAA TCTATTCTGT AAAATTAAAC AAATATGCAA	1616
728 729	ACCAGGATTT CCTTGACTTC TTTG	1640
730		
731		
732		
733	(2) INFORMATION FOR SEQUENCE ID NO: 12:	
734	(2) INFORMATION FOR SEQUENCE ID NO: 12: (i) SEQUENCE CHARACTERISTICS:	
735	(A) LENGTH: 943 base pairs	
736	(B) TYPE: nucleic acid	
737	(C) STRANDEDNESS: singular	
738	(D) TOPOLOGY: linear	
739	(ii) MOLECULE TYPE: genomic DNA	
740	(ix) FEATURE:	
741	(A) NAME/KEY: MAGE-31 gene	
742	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	

#### Raw Sequence Listing

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743		
744		
745		
746	GGATCCTCCA CCCCAGTAGA GTGGGGACCT CACAGAGTCT GGCCAACCCT	50
747	CCTGACAGTT CTGGGAATCC GTGGCTGCGT TTGCTGTCTG CACATTGGGG	100
748	GCCCGTGGAT TCCTCTCCCA GGAATCAGGA GCTCCAGGAA CAAGGCAGTG	150
749	AGGACTTGGT CTGAGGCAGT GTCCTCAGGT CACAGAGTAG AGGGGGCTCA	200
750	GATAGTGCCA ACGGTGAAGG TTTGCCTTGG ATTCAAACCA AGGGCCCCAC	250
751	CTGCCCCAGA ACACATGGAC TCCAGAGCGC CTGGCCTCAC CCTCAATACT	300
752	TTCAGTCCTG CAGCCTCAGC ATGCGCTGGC CGGATGTACC CTGAGGTGCC	350
753	CTCTCACTTC CTCCTTCAGG TTCTGAGGGG ACAGGCTGAC CTGGAGGACC	400
754	AGAGGCCCCC GGAGGAGCAC TGAAGGAGAA GATCTGTAAG TAAGCCTTTG	450
755	TTAGAGCCTC CAAGGTTCCA TTCAGTACTC AGCTGAGGTC TCTCACATGC	500
756	TCCCTCTCTC CCCAGGCCAG TGGGTCTCCA TTGCCCAGCT CCTGCCCACA	550
757	CTCCCGCCTG TTGCCCTGAC CAGAGTCATC	580
758	ATG CCT CTT GAG CAG AGG AGT CAG CAC TGC AAG CCT GAA GAA	622
759	GGC CTT GAG GCC CGA GGA GAG GCC CTG GGC CTG GTG GGT GCG	664
760	CAG GCT CCT GCT ACT GAG GAG CAG GAG GCT GCC TCC TCT	706
761	TCT AGT GTA GTT GAA GTC ACC CTG GGG GAG GTG CCT GCT GCC	748
762	GAG TCA CCA GAT CCT CCC CAG AGT CCT CAG GGA GCC TCC AGC	790
763	CTC CCC ACT ACC ATG AAC TAC CCT CTC TGG AGC CAA TCC TAT	832
764	GAG GAC TCC AGC AAC CAA GAA GAG GAG GGG CCA AGC ACC TTC	874
765	CCT GAC CTG GAG TCT GAG TTC CAA GCA GCA CTC AGT AGG AAG	916
766	GTG GCC AAG TTG GTT CAT TTT CTG CTC	943
767 .		
768		
769		
770	18)	
771	(2) INFORMATION FOR SEQUENCE ID NO: 13:	
772 773	(i) SEQUENCE CHARACTERISTICS:	
774	(A) LENGTH: 1067 base pairs	
775	(B) TYPE: nucleic acid	
776	(C) STRANDEDNESS: singular (D) TOPOLOGY: linear	
777	(ii) MOLECULE TYPE: cDNA to mRNA	
778	(ix) FEATURE:	
779	(A) NAME/KEY: cDNA MAGE-4	
780	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:	
781	(AL) DEGLARD DEGRALITION. DEG ID NO. 13.	
782		
783		
784	GGG CCA AGC ACC TCG CCT GAC GCA GAG TCC TTG TTC CGA	39
785	GAA GCA CTC AGT AAC AAG GTG GAT GAG TTG GCT CAT TTT CTG	81
786	CTC CGC AAG TAT CGA GCC AAG GAG CTG GTC ACA AAG GCA GAA	123
787	ATG CTG GAG AGA GTC ATC AAA AAT TAC AAG CGC TGC TTT CCT	165
788	GTG ATC TTC GGC AAA GCC TCC GAG TCC CTG AAG ATG ATC TTT	207
789	GGC ATT GAC GTG AAG GAA GTG GAC CCC GCC AGC AAC ACC TAC	249
790	ACC CTT GTC ACC TGC CTG GGC CTT TCC TAT GAT GGC CTG CTG	291
791	GGT AAT AAT CAG ATC TTT CCC AAG ACA GGC CTT CTG ATA ATC	333
792	GTC CTG GGC ACA ATT GCA ATG GAG GGC GAC AGC GCC TCT GAG	375
793	GAG GAA ATC TGG GAG GAG CTG GGT GTG ATG GGG GTG TAT GAT	417
794	GGG AGG GAG CAC ACT GTC TAT GGG GAG CCC AGG AAA CTG CTC	459
795	ACC CAA GAT TGG GTG CAG GAA AAC TAC CTG GAG TAC CGG CAG	501

#### Raw Sequence Listing

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		- 40
796	GTA CCC GGC AGT AAT CCT GCG CGC TAT GAG TTC CTG TGG GGT	543
797	CCA AGG GCT CTG GCT GAA ACC AGC TAT GTG AAA GTC CTG GAG	585
798	CAT GTG GTC AGG GTC AAT GCA AGA GTT CGC ATT GCC TAC CCA	627
799	TCC CTG CGT GAA GCA GCT TTG TTA GAG GAG GAA GAG GGA GTC	669
800	TGAGCATGAG TTGCAGCCAG GGCTGTGGGG AAGGGGCAGG GCTGGGCCAG	719
801	TGCATCTAAC AGCCCTGTGC AGCAGCTTCC CTTGCCTCGT GTAACATGAG	769
802	GCCCATTCTT CACTCTGTTT GAAGAAAATA GTCAGTGTTC TTAGTAGTGG	819
803	GTTTCTATTT TGTTGGATGA CTTGGAGATT TATCTCTGTT TCCTTTTACA	869
804	ATTGTTGAAA TGTTCCTTTT AATGGATGGT TGAATTAACT TCAGCATCCA	919
805	AGTTTATGAA TCGTAGTTAA CGTATATTGC TGTTAATATA GTTTAGGAGT	969
806	AAGAGTCTTG TTTTTTATTC AGATTGGGAA ATCCGTTCTA TTTTGTGAAT	1019
807	TTGGGACATA ATAACAGCAG TGGAGTAAGT ATTTAGAAGT GTGAATTC	1067
808		
809		
	(8)	
810	(2) INFORMATION FOR SEQUENCE ID NO: 14:	
811	(i) SEQUENCE CHARACTERISTICS:	
812	(A) LENGTH: 226 base pairs	
813	(B) TYPE: nucleic acid	
814	(C) STRANDEDNESS: singular	
815	(D) TOPOLOGY: linear	
816	(ii) MOLECULE TYPE: genomic DNA	
817	(ix) FEATURE:	
818	(A) NAME/KEY: MAGE-5 gene	
819	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:	
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821		
822		
822 823	AGGATCCCCA GGAGGCCCTA GAGGAGCACC AAAGGAGAAG ATCTGTAAGT	50
823	AGGATCCCCA GGAGGCCCTA GAGGAGCACC AAAGGAGAAG ATCTGTAAGT	50 100
823 824	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC	100
823 824 825	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC	100 150
823 824 825 826	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC	100 150 184
823 824 825 826 827	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC	100 150
823 824 825 826 827 828	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC	100 150 184
823 824 825 826 827	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC	100 150 184
823 824 825 826 827 828	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA	100 150 184
823 824 825 826 827 828 829	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:	100 150 184
823 824 825 826 827 828 829 830 831	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs	100 150 184
823 824 825 826 827 828 829 830 831 832	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid	100 150 184
823 824 825 826 827 828 829 830 831 832 833	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:     (i) SEQUENCE CHARACTERISTICS:         (A) LENGTH: 225 base pairs         (B) TYPE: nucleic acid         (C) STRANDEDNESS: singular	100 150 184
823 824 825 826 827 828 829 830 831 832 833	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:         (i) SEQUENCE CHARACTERISTICS:         (A) LENGTH: 225 base pairs         (B) TYPE: nucleic acid         (C) STRANDEDNESS: singular         (D) TOPOLOGY: linear	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:     (i) SEQUENCE CHARACTERISTICS:         (A) LENGTH: 225 base pairs         (B) TYPE: nucleic acid         (C) STRANDEDNESS: singular         (D) TOPOLOGY: linear     (ii) MOLECULE TYPE: cDNA	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834 835 836	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:     (i) SEQUENCE CHARACTERISTICS:         (A) LENGTH: 225 base pairs         (B) TYPE: nucleic acid         (C) STRANDEDNESS: singular         (D) TOPOLOGY: linear     (ii) MOLECULE TYPE: cDNA     (ix) FEATURE:	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:     (i) SEQUENCE CHARACTERISTICS:         (A) LENGTH: 225 base pairs         (B) TYPE: nucleic acid         (C) STRANDEDNESS: singular         (D) TOPOLOGY: linear     (ii) MOLECULE TYPE: cDNA	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834 835 836	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834 835 836 837	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:     (i) SEQUENCE CHARACTERISTICS:         (A) LENGTH: 225 base pairs         (B) TYPE: nucleic acid         (C) STRANDEDNESS: singular         (D) TOPOLOGY: linear     (ii) MOLECULE TYPE: cDNA     (ix) FEATURE:	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:	100 150 184
823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:	100 150 184 226
823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:	100 150 184 226
823 824 825 826 827 828 830 831 832 833 834 835 836 837 838 839 840 841 842 843	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  TAT TTC TTT CCT GTG ATC TTC AGC AAA GCT TCC GAT TCC TTG CAG CTG GTC TTT GGC ATC GAG CTG ATG GAA GTG GAC CCC ATC	100 150 184 226
823 824 825 826 827 828 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  TAT TTC TTT CCT GTG ATC TTC AGC AAA GCT TCC GAT TCC TTG CAG CTG GTC TTT GGC ATC GAG CTG ATG GAA GTG GAC CCC ATC GGC CAC GTG TAC ATC TTT GCC ACC TGC CTG GGC CTC TCC TAC	100 150 184 226
823 824 825 826 827 828 830 831 832 833 834 835 836 837 838 841 842 843 844 845	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  TAT TTC TTT CCT GTG ATC TTC AGC AAA GCT TCC GAT TCC TTG CAG CTG GTC TTT GGC ATC GAG CTG ATG GAA GTG GAC CCC ATC GGC CAC GTG TAC ATC TTT GCC ACC TGC CTG GGC CTC TCC TAC GAT GGC CTG CTG GGT GAC AAT CAG ATC ATG CCC AGG ACA GGC	100 150 184 226
823 824 825 826 827 828 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  TAT TTC TTT CCT GTG ATC TTC AGC AAA GCT TCC GAT TCC TTG CAG CTG GTC TTT GGC ATC GAG CTG ATG GAA GTG GAC CCC ATC GGC CAC GTG TAC ATC TTT GCC ACC TGC CTG GGC CTC TCC TAC	100 150 184 226 42 84 126
823 824 825 826 827 828 830 831 832 833 834 835 836 837 838 841 842 843 844 845	AAGCCTTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  TAT TTC TTT CCT GTG ATC TTC AGC AAA GCT TCC GAT TCC TTG CAG CTG GTC TTT GGC ATC GAG CTG ATG GAA GTG GAC CCC ATC GGC CAC GTG TAC ATC TTT GCC ACC TGC CTG GGC CTC TCC TAC GAT GGC CTG CTG GGT GAC AAT CAG ATC ATG CCC AGG ACA GGC	100 150 184 226 42 84 126 168 210
823 824 825 826 827 828 830 831 832 833 834 835 836 837 838 841 842 843 844 845 846	AAGCCTTGT TAGAGCCTCC AAGGTTCAGT TTTTAGCTGA GGCTTCTCAC ATGCTCCCTC TCTCTCCAGG CCAGTGGGTC TCCATTGCCC AGCTCCTGCC CACACTCCTG CCTGTTGCGG TGACCAGAGT CGTC ATG TCT CTT GAG CAG AAG AGT CAG CAC TGC AAG CCT GAG GAA  (2) INFORMATION FOR SEQUENCE ID NO: 15:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 225 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: singular  (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: cDNA  (ix) FEATURE:  (A) NAME/KEY: MAGE-6 gene  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  TAT TTC TTT CCT GTG ATC TTC AGC AAA GCT TCC GAT TCC TTG CAG CTG GTC TTT GGC ATC GAG CTG ATG GAA GTG GAC CCC ATC GGC CAC GTG TAC ATC TTT GCC ACC TGC CTG GGC CTC TCC TAC GAT GGC CTG CTG GGT GAC AAT CAG ATC ATG CCC AGG ACA GGC TTC CTG ATA ATC ATC CTG GCC ATA ATC GCA AGA GAG GGC GAC	100 150 184 226 42 84 126 168

#### Raw Sequence Listing

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849															
850															
851															
852															
853	(2)	INI	FORM	ATIO	V FOI	R SE	QUEN	CE II	ON C	: 16:	:				
854		(i)	SE	QUEN	CE CI	IARA	CTER	ISTIC	cs:						
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866	ACA	AGC	ACT	AGT	TTC	CTT	GTG	ATC	TAT	GGC	AAA	GCC	TCA	GAG	42
867	TGC	ATG	CAG	GTG	ATG	TTT	GGC	ATT	GAC	ATG	AAG	GAA	GTG	GAC	84
868	CCC	GCG	GCC	ACT	CCT	ACG	TCT	TGT	ACC	TGC	TTG	GGC	CTC	TCC	126
869	TAC	AAT	GGC	CTG	CTG	GGT	GAT	GAT	CAG	AGC	ATG	CCC	GAG	A	166
870															

PAGE: 1

## SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/07/807,043A

DATE: 08/31/92 TIME: 14:55:46

LINE ERROR

ORIGINAL TEXT

Wrong application Serial NumberEntered and Calc. Seq. Length differ

(A) APPLICATION NUMBER: 07/807,043

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8

PAGE: 1

# SEQUENCE MISSING ITEM REPORT PATENT APPLICATION US/07/807,043A

DATE: 08/31/92 TIME: 14:55:46

#### MANDATORY IDENTIFIER THAT WAS NOT FOUND

COUNTRY

PAGE: 1

# SEQUENCE CORRECTION REPORT PATENT APPLICATION US/07/807,043A

DATE: 08/31/92 TIME: 14:55:46

#### LINE ORIGINAL TEXT

#### CORRECTED TEXT

3	(i)	APPLICANTS: Boon, Thierry, Van den	(i) APPLICANT:	Boon, Thierry,	Van den E
50	(2)	INFORMATION FOR SEQUENCE ID NO: 1:	(2) INFORMATION	FOR SEQ ID NO:	1:
72	(2)	INFORMATION FOR SEQUENCE ID NO: 2:	(2) INFORMATION	FOR SEQ ID NO:	2:
140	(2)	INFORMATION FOR SEQUENCE ID NO: 3:	(2) INFORMATION	FOR SEQ ID NO:	3:
159	(2)	INFORMATION FOR SEQUENCE ID NO: 4:	(2) INFORMATION	FOR SEQ ID NO:	4:
206	(2)	INFORMATION FOR SEQUENCE ID NO: 5:	(2) INFORMATION	FOR SEQ ID NO:	5:
318	(2)	INFORMATION FOR SEQUENCE ID NO: 6:	(2) INFORMATION	FOR SEQ ID NO:	6:
339	(2)	INFORMATION FOR SEQUENCE ID NO: 7:	(2) INFORMATION	FOR SEQ ID NO:	7:
401	(2)	INFORMATION FOR SEQUENCE ID NO: 8:	(2) INFORMATION	FOR SEQ ID NO:	8:
536	(2)	INFORMATION FOR SEQUENCE ID NO: 9:	(2) INFORMATION	FOR SEQ ID NO:	9:
642	(2)	INFORMATION FOR SEQUENCE ID NO: 10:	(2) INFORMATION	FOR SEQ ID NO:	10:
678	(2)	INFORMATION FOR SEQUENCE ID NO: 11:	(2) INFORMATION	FOR SEQ ID NO:	11:
733	(2)	INFORMATION FOR SEQUENCE ID NO: 12:	(2) INFORMATION	FOR SEQ ID NO:	12:
771	(2)	INFORMATION FOR SEQUENCE ID NO: 13:	(2) INFORMATION	FOR SEQ ID NO:	13:
810	(2)	INFORMATION FOR SEQUENCE ID NO: 14:	(2) INFORMATION	FOR SEQ ID NO:	14:
829	(2)	INFORMATION FOR SEQUENCE ID NO: 15:	(2) INFORMATION	FOR SEQ ID NO:	15:
853	(2)	INFORMATION FOR SEQUENCE ID NO: 16:	(2) INFORMATION	FOR SEQ ID NO:	16: